EAST Browser - L2 (44) (((GROWTH AD... | US 5396012 A | Tag: U,T1 | Doc: 1/3 (SORTED/FILTERED) | Format: FULL

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Document ID	Kind Code	Source	1s
1 US 5386012	n	DERWEN	19
2 US 5263992	n	USPAT	19
3 US 5260071	n	USPAT	19

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44 hits

ABSTRACTED-PUB-NO: EP 594592B
BASIC-ABSTRACT: A method of increasing natural collagen synthesis at the site

of an artificial transplant by immobilising a biologically active agent on the
transplant is claimed. The agent is a growth factor for collagen and is the
copper-complex of the tripeptide glycyl-L-histidyl-L-lysine, which is
immobilised because the terminal carboxyl gp. of lysine is covalently bound to
the transplant.

USE/ADVANTAGE - The method is used to give more rapid replacement of
transplants with human tissue. The transplant consists of poly-L-lactic acid,
polyglycolic acid or copolymers of glycolic acid, lactic acid, alpha-hydroxy
derivs. of (iso)butyric acid, valeric acid or isovaleric acid (claimed). The

method also increases tissue-protective SOD activity and has a chemoattractive
effect on e.g. mast and capillary endothelial cells which accumulate at
transplant sites, stimulating new formation of blood vessels and flow
nourishment to the area.

ABSTRACTED-PUB-NO: US 5386012A
EQUIVALENT-ABSTRACTS: Artificial implant having the ability of increasing
natural collagen synthesis, characterised in that it contains the copper
complex of the tripeptide glycyl-L-histidyl-L-lysine which is immobilised on
the implant through a covalent bound of the carboxyl group of the lysine.

Synthetic implant agent and tissue growth factor comprises the Cu complex of

the tripeptide Gly-His-Lys, bonded to a biocompatible polymer through the Lys
carboxyl gp., e.g. with an immobilised diamine function.

Pref. biocompatible polymers are obtd. from alpha-hydroxycarboxylic acids, e.g.
poly-L-lactic acid and polyglycolic acid.

USE/ADVANTAGE - The presence of the Cu complex stimulates fibroblastic collagen
synthesis around implants. The prods. accelerate the replacement of implants

with human tissues.

WO 9112014A

CHOSEN-DRAWING: Dwg.0/2 Dwg.0/2 Dwg.0/2

TITLE-TERMS:

Search Logic
"tissue same grawth adj factor with (bonding or bond or
bonded)"

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Document ID	Kind Code	Source
1	US 5386012	DERWEN 19
2	US 5263992	USPAT 19
3	US 5260071	USPAT 1.

DOCUMENT-IDENTIFIER: US 5260071 A
TITLE: Drug units and methods for using same

CLPR:
17.   A method in accordance with claim 5 wherein said drug contains a quantity
of an adhesive material which is operable to bond the epidermal growth factor
of said drug to the wall of said digestive tract including said wound tissue
.

CLPV:
c) allowing a portion of said drug compound to bond to a select portion of the
wall of said digestive tract to retain the epidermal growth factor thereof in
contact with said wound tissue requiring healing and to permit and cause said
epidermal growth factor to accelerate the healing of the wound defined by said
wound tissue .